



# Andalusian Commitment to Climate Action in Tourism

**For a conscious tourism committed to mitigating the climate crisis**

Presentation of the Andalusian Commitment to Climate Action in Tourism

June 2025

Economy

Society

Environment





Andalusia, under the slogan 'Andalusia in Climate Action', presents the **Andalusian Commitment to Climate Action in Tourism (CAAC Tourism)**. The document is part of the commitment made by Andalusia after having signed the Global Declaration of Glasgow in June 2024.



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# 1. Introduction

Climate change represents one of the greatest challenges of our time, with an increasingly evident impact on the tourism sector.

Tourism is a transformative force that generates employment, boosts the development of local communities, and contributes significantly to Andalusia's economy. The sector also faces critical challenges arising from climate change.

The Ministry of Tourism and Andalusia Abroad, committed to the responsible development of tourism, wants to advance and support a more sustainable and resilient tourism model. In this context, the aim is to give continuity to the work already initiated by the Ministry of Environment and Sustainability of the Regional Government of Andalusia, taking as a basis the "Andalusian Climate Action Plan 2021-2030" to develop a specific commitment from the tourism sector. This commitment is also aligned with the commitment made after the signing of the Glasgow Declaration on June 28, 2024 by the Ministry of Tourism and Andalusia Abroad, which calls for concrete actions to mitigate carbon emissions and adapt to the impacts of climate change.

*CAAC Tourism* is born with the vision that tourism is part of the solution to the climate crisis, contributing to the decarbonization of the economy and promoting mitigation and adaptation practices. From the Ministry of Tourism and Andalusia Abroad, we want to inspire and lead this transition towards a tourism committed to the planet both internally and by supporting external actors. Internally, we will move towards sustainability by continuously improving our operations. Externally, we will provide tools and resources so that tourism companies, organizations and entities can reduce their carbon footprint, adapt to climate risks and offer responsible experiences that respect the environment and local communities.



This commitment also reinforces collaboration with public administrations, local communities and destinations to ensure that Andalusian tourism not only overcomes the challenges of climate change, but also thrives, benefiting future generations.

This document establishes the framework for the commitment to climate action of the Ministry of Tourism and Andalusia Abroad, aligned with the regional strategy and state and international sustainability initiatives in line with the Glasgow Declaration. From Andalusia, we want to inspire change and demonstrate that sustainable and resilient tourism is not only possible, but essential.

## 1.1 Glasgow Declaration

The Glasgow Declaration for Climate Action in Tourism is a key milestone in the global effort to address climate change in tourism. Signed in the framework of the United Nations Climate Change Conference (COP26), the Declaration calls on destinations, companies and organizations to adopt specific commitments in five lines of action:

-  Measure
-  Decarbonize
-  Regenerate
-  Collaborate
-  Finance

The Declaration underscores the need to design and implement clear climate roadmaps with measurable targets to achieve carbon neutrality and build resilience in the sector. It emphasizes the importance of cooperation between governments, industry and local communities, with tourism as an agent of positive change to mitigate the effects of climate change.



## 1.2. Andalusia's Commitments in the Framework of the Glasgow Declaration

Andalusia's official adherence to **the Glasgow Declaration on Climate Action in Tourism** reinforces its commitment to sustainability and resilience in the tourism sector.

By signing the Declaration, Andalusia assumes a series of strategic commitments:

- ➡ **Elaborate a Commitment to Climate Action in Tourism**, the present document being its outcome, detailing the concrete measures needed to mitigate and adapt the tourism sector to climate change.
- ➡ **Supporting the global reduction of greenhouse gas emissions** by half by 2030 and achieving net zero emissions by 2050, in line with international targets.
- ➡ **Align its actions with five strategic axes:** measure, decarbonize, regenerate, collaborate and finance.
- ➡ **Report annually on progress** toward intermediate and long-term objectives and actions being taken.
- ➡ Work in a **collaborative spirit** and support each other to achieve objectives.

This document materializes Andalusia's response to these commitments, becoming a guide for the climate transformation of the regional tourism sector. This commitment is also built on the basis of the "Andalusian Climate Action Plan 2021-2030" approved by Decree in October 2021, which already consolidates some specific actions adapted to tourism, aimed at protecting natural and cultural resources, improving the competitiveness of destinations and promoting cooperation with public and private actors.

## 1.3 Alignment of the commitment with Regional, National, European and International initiatives

Andalusia's climate policies are closely aligned with international, European and Spanish frameworks, reflecting its commitment to global climate objectives while addressing the region's specific challenges in sectors such as tourism.

At the international level, Andalusia's climate strategies are based on key agreements such as the Paris Agreement (2015), which sets the goal of limiting global temperature rise to below 2°C, with efforts to stay below 1.5°C. The region is also aligned with the 2030 Agenda for Sustainable Development, in particular Sustainable Development Goal (SDG) 13, which calls for urgent action to combat climate change, and SDG 8, which promotes sustainable tourism as a driver of economic and cultural development. Furthermore, as evidenced in previous sections, Andalusia signed the Glasgow Declaration in 2024, reinforcing its firm commitment to advancing climate action and with this document in 2025 manifests climate action.

At the European level, Andalusia contributes to the objectives outlined in the European Green Pact (2019), which pursues carbon neutrality by 2050. Andalusia also supports the objectives of the EU Adaptation Strategy (2021), which emphasizes smarter and systemic climate adaptation measures, as well as the Tourism Transition Roadmap (2022), which focuses on circularity, data sharing and capacity building to improve sustainability and resilience in the tourism sector. These European initiatives provide funding and policy guidance that Andalusia leverages to advance its climate goals in tourism and beyond.

The *CAAC Tourism* is also aligned with the initiatives and recommendations of the Dialogue4Tourism (D4T) governance project, developed within the framework of the Interreg Euro-MED Sustainable Tourism program, especially with regard to multilevel governance and climate adaptation in tourism. In line with the recommendations of the Cross Network Alliance, also a D4T initiative, the *CAAC Tourism* promotes cooperation between public and private actors to strengthen tourism sustainability in Andalusia.



In addition, following the recommendations of the Euro-MED Sustainable Tourism White Paper 2024: Tourism and Climate Adaptation on measures for the climate resilience of destinations, the *CAAC Tourism* incorporates key strategies to address challenges such as energy consumption, water management and decarbonization of the sector. Reinforcing the transition towards a more resilient tourism model, contributing to European and Mediterranean sustainability objectives.

At the national level, Andalusia is aligned with Spain's National Integrated Energy and Climate Plan (PNIEC), which establishes mechanisms to meet the objectives of the European Green Pact. The National Climate Change Adaptation Plan (PNACC) 2021-2030 complements Andalusia's regional strategies by providing a coordinated framework to reduce climate risks. In addition, the Spanish Sustainable Tourism Strategy 2030 supports the transition towards competitive, sustainable and inclusive tourism, ensuring alignment between regional and national tourism policies.

These alignments demonstrate Andalusia's integration within broader climate governance structures, ensuring that its regional strategies contribute to global objectives while addressing the unique vulnerabilities of its tourism sector.

At the regional level, Andalusia has developed a solid regulatory and strategic framework to address climate change, highlighting Law 8/2018 on measures against climate change and the transition to a new energy model in the region. This law establishes structured and integrated planning for the fight against climate change, with the incorporation of climate considerations in sectoral planning and the regulation of participatory bodies such as the Interdepartmental Commission on Climate Change and the Andalusian Climate Council.

The Andalusian Climate Action Plan (PAAC 2021-2030) reinforces these measures through climate change mitigation and adaptation programs, promoting the reduction of greenhouse gas emissions, energy efficiency and the use of renewable energies. Its objectives include climate neutrality and decarbonization, together with sustainable water management, biodiversity protection and waste reduction.

In the field of tourism, the recently presented draft bill of the Andalusian Sustainable Tourism Law, announced by the Regional Government of Andalusia, establishes in chapter 8 the integration of environmental, social and economic sustainability in tourism management. This regulatory framework seeks to promote adaptation to climate change, improve the efficiency of natural resources and promote a tourism model aligned with the principles of sustainable development.



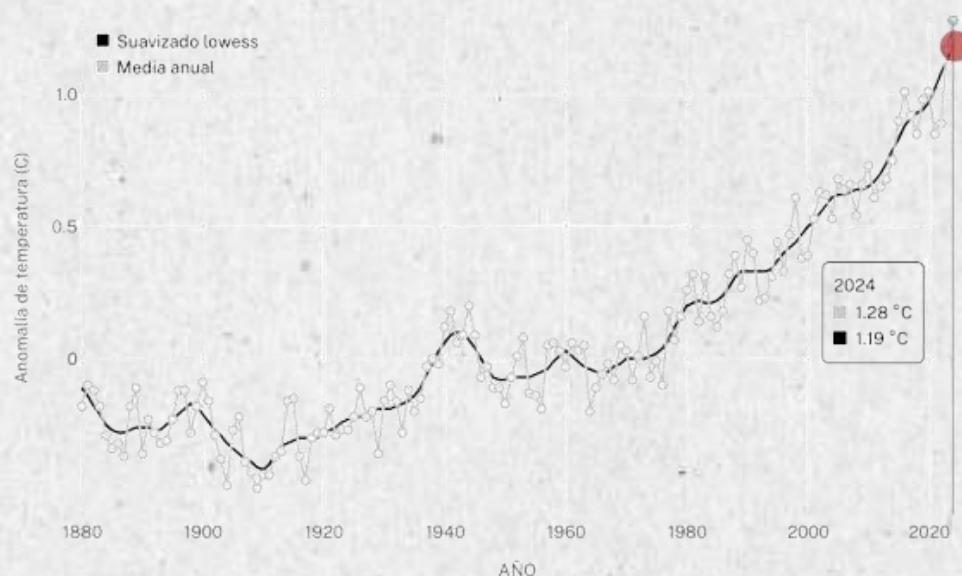
## 1.4. Context of Climate Change and Tourism in Andalusia

### Climate Change Context.

Climate change has become one of the greatest global environmental, economic and social threats (United Nations, 2024). Scientific evidence points to a sustained increase in temperatures, alterations in rainfall patterns and an increase in the frequency and intensity of extreme weather events.

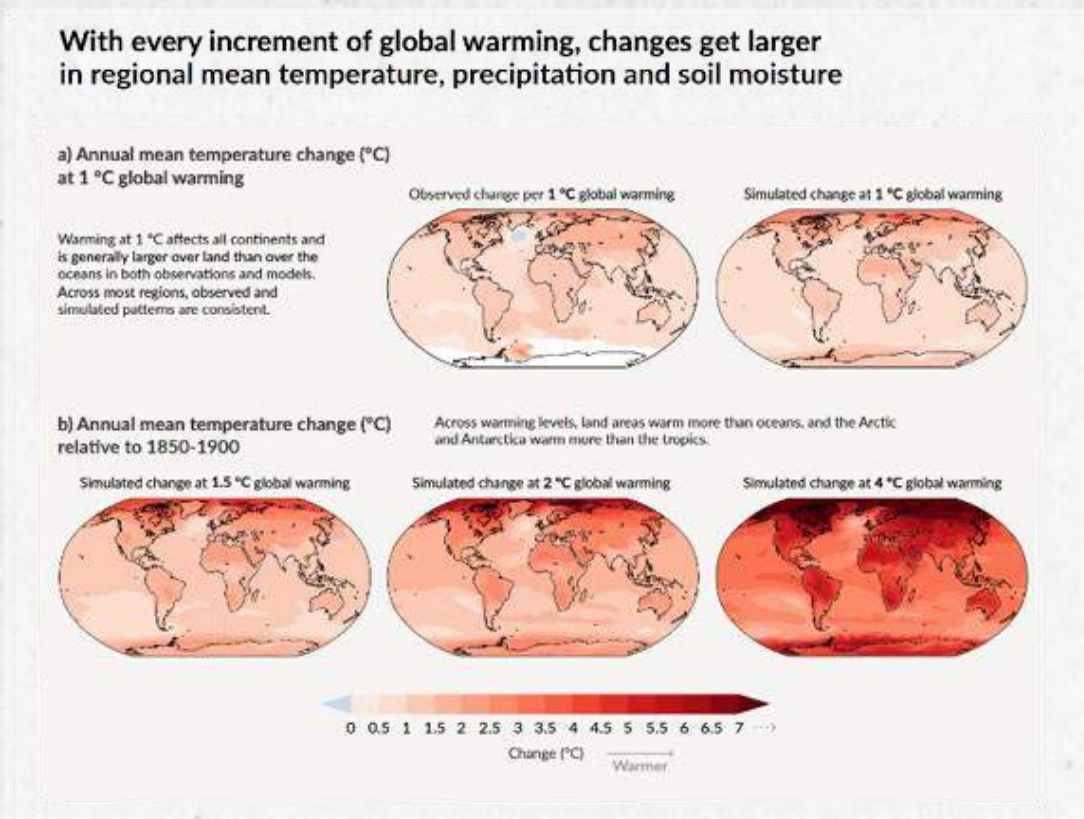
#### ÍNDICE DE TEMPERATURA GLOBAL TIERRA-OCÉANO

Fuente de datos: Instituto Goddard de Estudios Espaciales (GISS) de la NASA. Crédito: NASA/GISS



The IPCC's Sixth Assessment Report presents different climate scenarios that project changes in global temperature and precipitation. According to the climate models used in the report, the global average temperature will continue to rise as a function of greenhouse gas emissions and mitigation policies implemented.

IPCC projections indicate that, under a low-emissions scenario (SSP1-1.9), the global temperature increase could remain close to 1.5°C compared to pre-industrial levels. However, under a high emissions scenario (SSP5-8.5), global warming could exceed 4°C by the end of the 21st century. This temperature increase will affect different regions of the world differently.

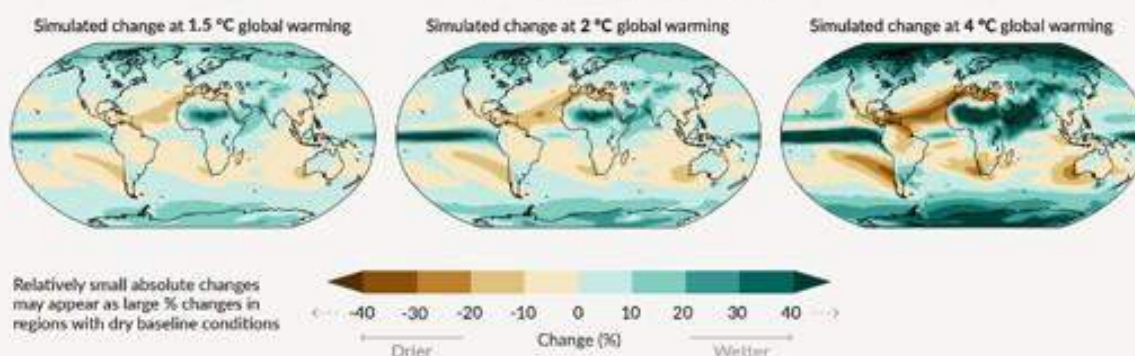


In terms of precipitation, climate models suggest an intensification of the hydrological cycle. In some regions, this will translate into an increase in extreme precipitation and a greater risk of flooding, while others will see a reduction in water availability and an increase in the frequency and severity of droughts.



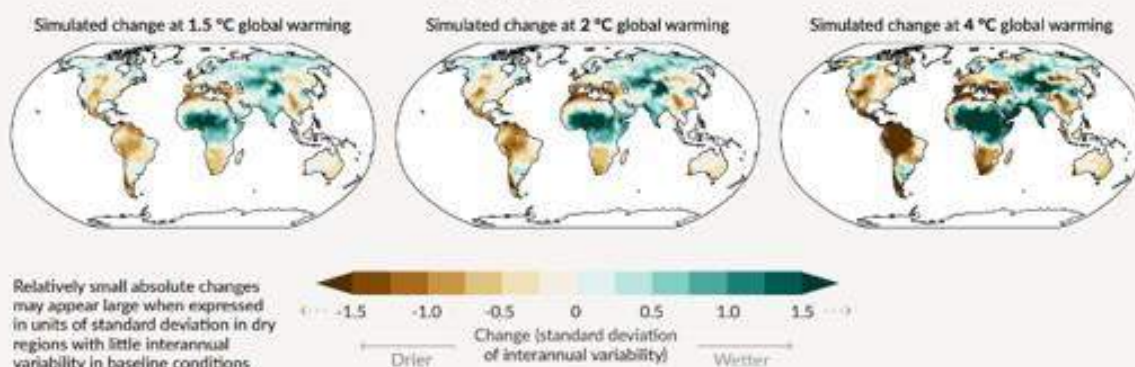
**c) Annual mean precipitation change (%) relative to 1850-1900**

Precipitation is projected to increase over high latitudes, the equatorial Pacific and parts of the monsoon regions, but decrease over parts of the subtropics and in limited areas of the tropics.




**d) Annual mean total column soil moisture change (standard deviation)**

Across warming levels, changes in soil moisture largely follow changes in precipitation but also show some differences due to the influence of evapotranspiration.



These trends, widely documented by the IPCC and discussed in international forums such as COP29, mark a profound transformation involving exposure to extreme weather events, alterations in rainfall patterns and sustained increases in temperatures (COP27, 2022).

According to the scientific evidence report on climate change and territory in the Iberian Mediterranean, the Mediterranean is particularly sensitive to the impacts of climate change due to its status as a transition zone between wet and dry domains. Likewise, tourism, an essential economic driver on the Mediterranean coast, is affected by sea level rise and beach erosion, which demands adaptation and mitigation strategies to ensure its sustainability (Martínez Valderrama et al., 2025; Vera Rebollo et al., 2025).



In addition, the intensification of the hydrological cycle in the Mediterranean region causes an alternation between periods of extreme rainfall and intense droughts, affecting not only the availability of water resources, but also the stability of ecosystems and the security of local communities. Drinking water scarcity, soil degradation and biodiversity loss have become priority challenges that require urgent adaptation measures (Camarasa Belmonte et al., 2025).

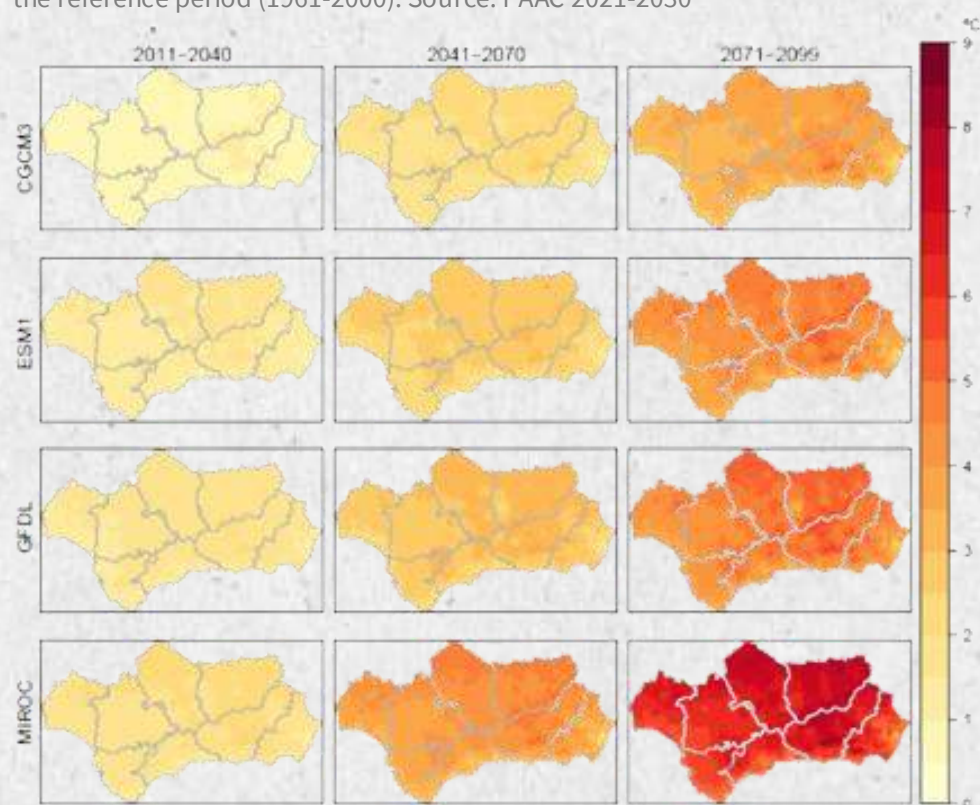
The effects of climate change in the region not only threaten natural systems, but also key economic sectors such as agriculture and tourism. Desertification is advancing due to the increase in temperatures and the decrease in soil moisture, compromising the viability of crops and agri-food production. Likewise, tourism, an essential economic engine in the Mediterranean coast, is affected by sea level rise and beach erosion, which demands adaptation and mitigation strategies to ensure its sustainability (Martínez Valderrama et al., 2025; Vera Rebollo et al., 2025).

In the specific context of Andalusia, the Analysis carried out in the PAAC 2021-2030 indicates that, according to the Environmental Information Network of Andalusia (REDIAM), the recording of paleoclimatic data, together with the analysis of historical documentary collections and instrumental series, has made it possible to develop a clear picture of the climatic evolution of the region. This network has approximately 2,300 observation stations that facilitate the monitoring of climatic variables.



The data show an increase in mean annual temperature throughout Andalusia, with projected increases that could exceed 6°C for the period 2071-2099 under unfavorable scenarios (RCP 8.5). The provinces of Jaén, Córdoba and Granada are the most susceptible to this increase.

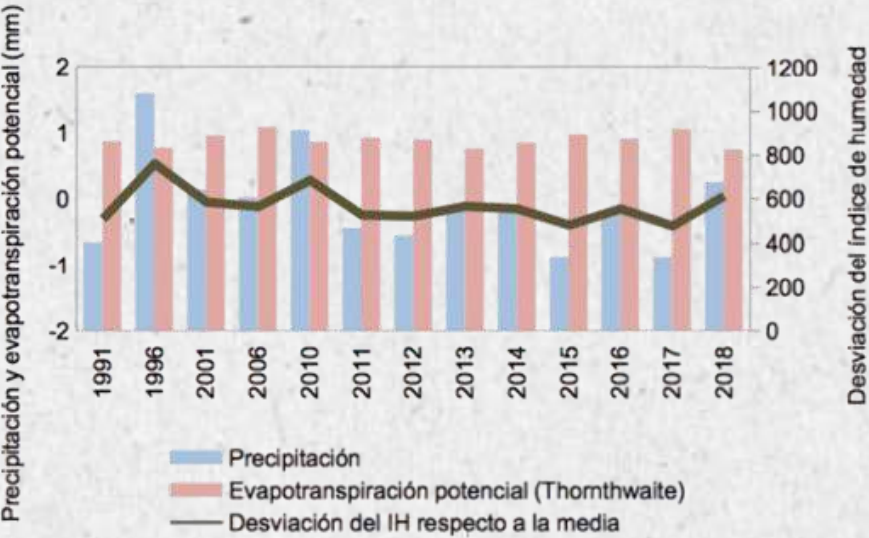
Variation with respect to the reference period of the mean annual temperature of the different models over the climate periods considered for the RCP8.5 scenario. The scale measures the difference in degrees Celsius of the observed annual mean temperature between the RCP8.5 scenario forecast and the reference period (1961-2000). Source: PAAC 2021-2030



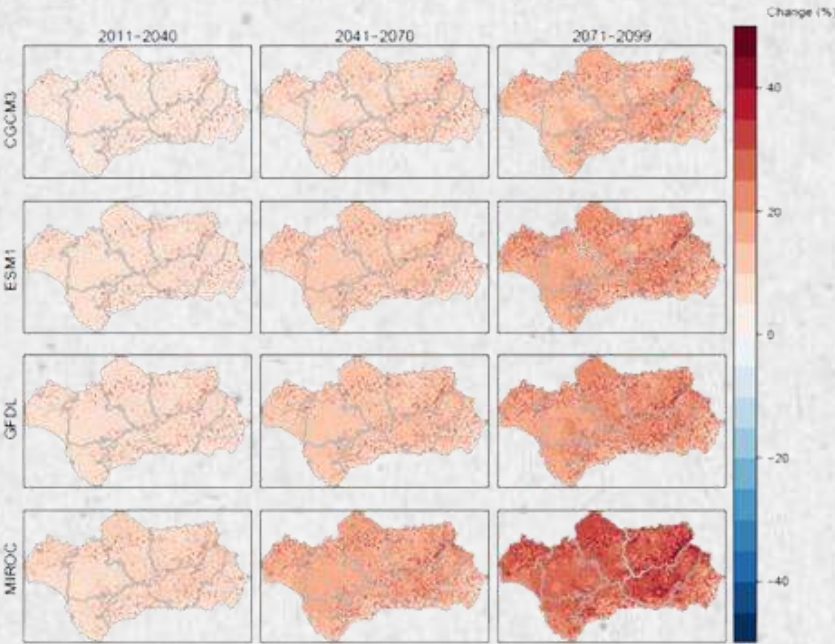
The region has begun to experience extreme weather events with increasing regularity. Droughts, which were previously considered climatic anomalies, have become more common, especially since the 1980s. This has led to an increase in desertification, affecting both the environment and the human communities that depend on agriculture and livestock.

REDIAM data have revealed that the humidity index in Andalusia has shown a negative trend, highlighting the importance of addressing the water deficit. The areas affected by desertification have also increased, further complicating the availability of water resources.

Humidity Index. Period 1991- 2018. Source: PAAC 2021-2030 /REDIAM.



Variation with respect to the reference period, of the number of months with positive water balance predicted by the different models over the climatic periods considered for the RCP8.5 scenario. Source: PAAC 2021-2030



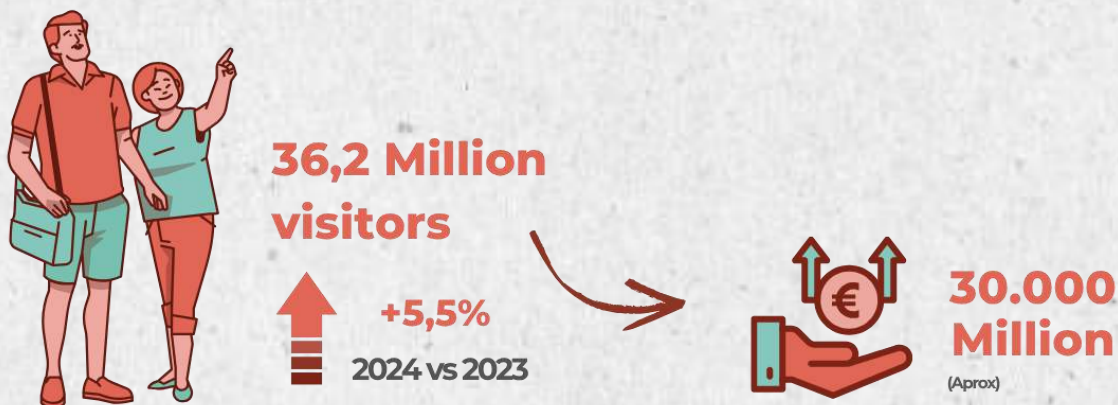


In this context, the Andalusian Climate Action Plan (PAAC) highlights the need to adopt not only mitigation measures for greenhouse gas emissions, but also robust strategies for adaptation.

## **Importance of Tourism in Andalusia**

Tourism has historically been one of the fundamental pillars of the Andalusian economy. In 2024, the region reached an all-time record by receiving 36.2 million visitors, representing an increase of 5.5% over the previous year.

This tourist flow generated an economic impact of close to 30,000 million euros, consolidating the sector as a key element in the economic development of Andalusia (Junta de Andalucía, 2025).



According to data from the TSI Spain project, led by the International Networks and European Projects Area of the Public Company for Tourism and Sport of Andalusia, the contribution of tourism to the regional Gross Domestic Product (GDP) represented approximately 5.5% of the total (Structural Survey of Companies, INE, 2022), 34.8% more than the previous year. In addition, the latest study by the Andalusian Confederation of Businessmen (CEA) on the contribution of tourism companies to the Andalusian economy indicates that the sector is responsible for 12.5% of employment in the community, providing work for more than 400,000 people.



This economic relevance is due, in part, to the diversity of the Andalusian tourist offer, which ranges from beaches and cultural heritage to rural and gastronomic tourism. One of the most outstanding aspects of the Andalusian tourism model is its commitment to sustainability and diversification. The regional government's strategy has prioritized quality over quantity, promoting regenerative tourism that benefits both visitors and the local population. Andalusia's promotional strategy has been carried out in a logic of obtaining a greater distribution of tourism in the territory and to try to make progress in reducing seasonality.

The increase in average daily spending per tourist, which reached 82 euros, is a key indicator of the positive impact of tourism on the regional economy. This increase of 5.5% compared to 2023 and 21% compared to 2019 demonstrates Andalusia's ability to attract a visitor profile with greater purchasing power, interested in unique and quality experiences. In addition, the growth in international tourism has been remarkable, surpassing in 2024 the pre-pandemic level with more than 13 million foreign visitors, half a million more than in 2019 (Junta de Andalucía, 2025) , especially highlighting an increase in the average stay of visitors from the European Union by 0.3% with an average stay of 6.7 nights in the 4th quarter of 2024 (IECA, 2025).



Domestic tourism has also maintained an upward trend, with 23.1 million tourists in 2024, an increase of 2.2% over the previous year. This increase has been driven by promotional campaigns focused on attracting travelers at times of the year with less impact on the territory, thus contributing to a better distribution of tourism activity throughout the year. This strategy has resulted in the lowest seasonality rate in the last 22 years, with tourism growth in the low season exceeding that of the high season (Junta de Andalucía, 2025).



In addition, continuing with national tourism, an increase in the number of national tourists arriving by train, bus or non-motorized transport to Andalusia is observed, with an increase of 25.53% in the year 2023 compared to 2022, evidencing the effect of the promotional campaigns carried out focused on minimizing the impact of tourism activity in the territory.

The implementation of initiatives such as Europe's first zero-emission green corridor on the Tarifa-Tangier Line is a sign of the community's commitment to responsible and environmentally friendly tourism. This project, which includes the electrification of the ports of Tarifa and Tangier Ville and the construction of two Fast Ferries with 100% electric propulsion, is a step towards a more sustainable mobility in the tourism sector (Junta de Andalucía, 2025). The Ministry of Tourism and Andalusia Abroad have also launched innovative promotional campaigns such as 'Andalusian Crush' and 'Surrender to the Andalusian Crush', aimed at attracting an international audience that values the authenticity and cultural richness of the region.

The future Sustainable Tourism Law, which has already been presented as a preliminary draft, will consolidate Andalusia's progress towards building a more sustainable and resilient tourism in the face of climate change.

In conclusion, tourism in Andalusia is a key economic driver and this document is a clear example of the recognition that tourism must be part of the solution, it must contribute to climate change adaptation and mitigation.



## 2. Preliminary assessment of the main impacts of climate change on the Andalusian tourism sector.

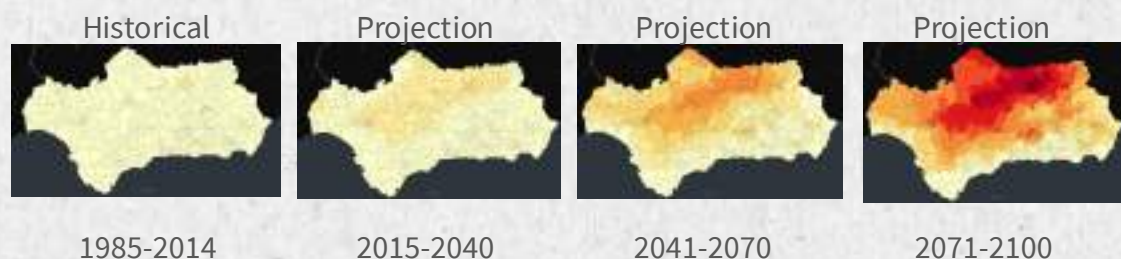
According to the Andalusian Climate Action Plan 2021-2030, Andalusia faces five main climate risks that directly or indirectly impact the tourism sector:



### Rising temperatures and heat waves

The PAAC indicates a sustained increase in temperatures in the region, with average increases of 1.3°C over the 1991-2020 reference period. Likewise, the "Climate Map" tool developed by the Regional Ministry of the Environment and Sustainability, which displays historical data and projections of climate phenomena up to the year 2100, also shows an increase in the number of hot days and temperatures. These changes are especially visible in inland locations in the center and north of Andalusia.

#### Hot days (40°C) by municipality



Source: [Climate Map, 2025](#)

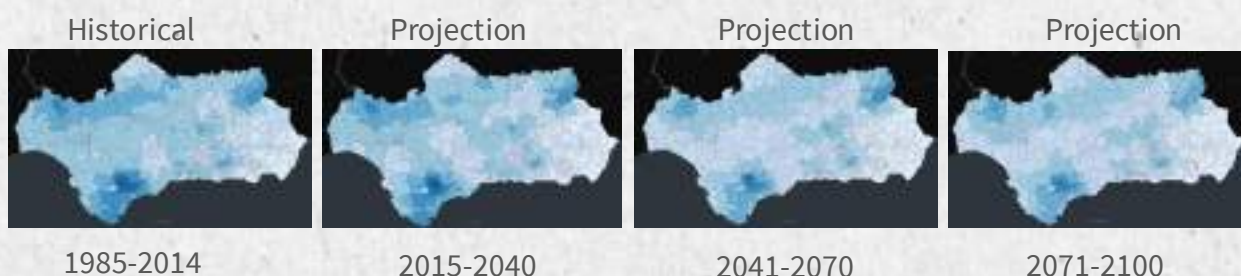




## Water scarcity

Drought conditions have become more frequent due to decreased precipitation. Affecting both water resources for human consumption and tourism, as well as the viability of agricultural activities related to tourism (D.2.4.1 \_Technical Report\_NT4CC, 2024). This scenario affects water management in tourist destinations.

### Annual precipitation by municipality (mm/year)



Source: [Climate Map, 2025](#)



## Risk of flooding and torrential rains

The increase in extreme precipitation episodes, high volume in very short periods of time, are also included in the *Andalusian Climate Action Plan* (PAAC 2021-2030), which indicates the tendency for these phenomena to become more frequent. This highlights the need to integrate climate adaptation criteria in territorial and urban planning (PAAC 2021-2030). Implementing sustainable drainage strategies, preserving natural absorption areas and improving early warning systems are key measures to reduce the vulnerability of the Andalusian tourism sector to these climate phenomena.



## Sea level rise and coastal erosion

Coastal areas, fundamental for tourism in Andalusia, are facing a gradual rise in sea level as can be seen in the map developed by Climate Central as a coastal risk detection tool.

Map of risk of sea level rise above the high tide line.



Source: [Climate Central, 2025](#)

Projections indicate a rise in mean sea level of between 0.38 and 0.68 meters by the end of the century, depending on the emissions scenario, which will increase the risk of permanent flooding and coastal erosion.

In addition, the PAAC notes that coastal areas, in order to face these challenges, require adaptation measures such as sustainable coastal management, wetland protection and the incorporation of climate resilience criteria in tourism development.



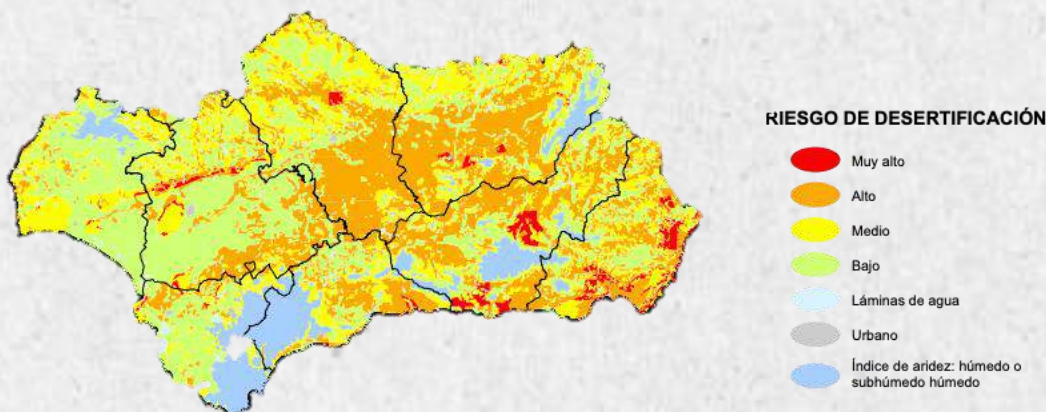


## Desertification and soil degradation

An additional challenge is desertification due to the combination of rising temperatures, reduced precipitation and the intensification of prolonged droughts. Climate projections indicate that these periods of drought will become longer and more frequent, increasing erosion, the loss of fertile soils and the advance of arid lands (PAAC, 2021-2030).

This phenomenon has a direct impact on tourism, both through the degradation of natural landscapes and protected areas and by affecting key sectors such as agrotourism and rural tourism.

### Desertification risk map in Andalusia



Source: Ministry of Environment and Rural and Marine Affairs, [National Action Program to Combat Desertification](#), 2024.

These risks underline the need to adapt Andalusian tourism through integrated climate change adaptation and mitigation strategies. Responses must address efficient water management, coastal protection, resilient infrastructure development and diversification of the tourism offer towards sustainable models. **The current climate context represents an opportunity to transform the Andalusian tourism sector into a benchmark of sustainability and resilience.**

# Assessment of the current impacts of climate change on tourism

Climate change is already leaving a visible footprint on tourism in Andalusia, altering environmental conditions and posing significant challenges to the sustainability and resilience of the sector. Phenomena such as rising temperatures, reduced water resources and more frequent extreme weather events are directly related to the tourism experience and generate uncertainty about the long-term viability of the activity.



## Changes in seasonality

The increase in temperatures and the greater frequency of heat waves present possible changes in the influx of tourists due to climatic conditions. Visitor flow patterns show an increase in the number of visitors in months such as September and October or the spring months, generating a more diversified and dispersed demand throughout the year). This is further complemented by an analysis by CaixaBank Research, based on card payment data, which revealed that warmer areas of Spain experienced slower growth in tourism spending between the peak seasons of 2019 and 2023. Suggesting that high temperatures may be deterring tourists from visiting destinations that experience severe heat waves during the summer.







## Damage to infrastructure and maintenance costs

Extreme weather events, such as torrential rains and coastal storms, are causing significant damage to tourism infrastructure. Coastal flooding and erosion threaten waterfront properties, boardwalks, and recreational areas, resulting in costly repairs and, in some cases, damage to the infrastructure, relocation of facilities. Flash floods also affect transportation networks, including roads and railroads, reducing accessibility to key destinations and increasing infrastructure maintenance costs (Consejería de Agricultura, Ganadería, Pesca y Desarrollo Sostenible, 2021).



## Pressure on water resources

Tourism activities, especially in arid and semi-arid areas, put pressure on already scarce water resources. Hotels, resorts and recreational centers depend heavily on water, and prolonged droughts exacerbate competition for this critical resource. Several Andalusian municipalities have faced water restrictions due to declining reservoirs, affecting not only the resident population, but also the operation of hotels, resorts and recreational centers (El País, 2025).

This problem is particularly acute during high seasons, when demand from visitors, second homes and residents reaches its peak, requiring the adoption of water-saving technologies, stricter management of resources and campaigns to raise awareness of the influx (Report on the Environment in Andalusia, 2023).





## Degradation of ecosystems and landscapes

Climate stresses on ecosystems, such as coastal erosion, habitat loss, and desertification, can reduce the aesthetic and recreational appeal of major natural tourist destinations. Protected areas and rural landscapes.

These changes diminish the quality of the visitor experience and require significant investments in conservation and restoration (Junta de Andalucía, 2012; PAAC 2021-2030).



## Economic and social impacts

Climate change directly affects the tourism economy in Andalusia, especially small and medium-sized companies, which face uncertainty due to the factors and impacts analyzed earlier in the document, such as the variability of demand and the costs associated with infrastructure adaptation.

**These impacts underline the need to integrate climate adaptation and resilience into Andalusia's tourism strategy to mitigate risks and promote the long-term viability of tourism activity.**



# 3. Objectives of the Tourism Climate Action Commitment

The Andalusian Commitment to Climate Action in Tourism (CAAC Tourism) aims to advance and support a sustainable and resilient tourism model in the region. To this end, it establishes strategic objectives that integrate adaptation to the impacts of climate change, mitigation of greenhouse gas emissions, and regeneration of natural resources. These objectives are aligned with the lines of action proposed in the Glasgow Declaration and with the commitments made by the Regional Government of Andalusia on climate change in its adherence to the Declaration.

## Strategic Objectives



### **Measuring and monitoring carbon emissions from the tourism sector**

Develop systems for measuring and analyzing the carbon footprint to quantify the climate impact of tourism. This objective includes the creation and/or use of tools to identify emission sources and evaluation.



### **Decarbonizing tourism activities**

Promote the transition to renewable energies, energy efficiency and sustainable mobility in the sector.



### **Regenerate**

Encourage sector support to communities affected by the impacts of climate change and strengthen resilience building, adaptation. Help visitors and host communities develop a better balance with nature.



### **Collaborate with public and private stakeholders**

Strengthen cooperation between public institutions, tourism companies, civil society organizations and the academic community to develop innovative solutions to move towards sustainable tourism.



### **Identify sources of financing**

Identify and mobilize financial resources for projects that contribute to the climate resilience of tourism and help achieve the objectives of the commitment.

## **Specific Objectives**

- Contribute to the global reduction of greenhouse gas emissions by 50% by 2030 and achieve climate neutrality by 2050.
- Improve the tourism sector's capacity to adapt to priority climate risks.
- Increase climate awareness and commitment among industry stakeholders and visitors.
- Position Andalusia as a leading destination in sustainable tourism, resilient and committed to climate action.

**These objectives guide the implementation of the specific actions of the CAAC Tourism, consolidating Andalusia's commitment to the transition towards a tourism model that protects the environment, promotes economic competitiveness and improves the quality of life of its residents and visitors.**



## 4. Actions

In order to address the climate change challenges analyzed above and promote sustainable tourism in Andalusia, a series of strategic actions have been defined. These actions respond to the commitment acquired in the signing of the Glasgow Declaration, as well as to the alignment of the commitment with the actions defined in the PAAC 2021-2030.

The actions presented in this chapter are each located in one of the 5 pathways of the Glasgow Declaration.



Measurement   Decarbonization   Regeneration   Collaboration   Financing

Each of the actions has the detail of the objective to which it is related, the pathway in which it is located and a brief description of what the action implies.

The PAAC 2021-2030 seal indicates that the proposed action is specifically included for the tourism sector within the regional climate action plan and that is precisely why it should be included in this commitment, in order to maintain coherence and alignment with the initiatives developed in the area of sustainability and climate change.



**With the actions presented below, Andalusia reaffirms its commitment to sustainable tourism management.**

# Measurement

The following are the actions of the measurement commitment, which, following the Glasgow guidelines, include the following:

"Measure and disclose all travel and tourism-related emissions. Ensure that our methodologies and tools are in line with UNFCCC guidelines on measurement, reporting and verification, and that they are transparent and accessible." - One Planet, 2021





# Measurement



## Target

Measuring and monitoring adaptation to climate change in Andalusia.



## Action

1

**Initiate the definition of a methodology for indicators of adaptation to climate change in tourism.**



### Description of the action

This action seeks to initiate the definition of a set of indicators that, based on our own experience as well as on state and international recommendations, will make it possible to monitor adaptation to climate change in Andalusian tourist destinations.

Likewise, once a consensus has been reached on the indicators at the international level, the aim is to encourage their implementation in Andalusia, promoting the adoption and monitoring of specific adaptation measures.

Within this action, the impacts of climate change on the tourism sector will be specifically assessed and risks will be monitored.

# Measurement



## Target

Measure and monitor carbon emissions.



## Action

2

**Implement a system for annual measurement of the carbon footprint generated by the activities of the Public Company for Tourism and Sport of Andalusia and establish specific targets for its reduction.**



### Description of the action

The purpose of this action is to establish a system for the annual measurement of the carbon footprint generated by the activities of the Public Company for Tourism and Sports of Andalusia. For this purpose, the implementation and use of the tool already developed by the Department of Environment and Sustainability of the Regional Government of Andalusia is contemplated. Through this system, the aim is to measure the greenhouse gas emissions derived from the entity's operations and to have data that will allow defining specific objectives for their reduction. This action contributes to improve the monitoring of the environmental impact of the internal activity and to lead by example in order to promote more sustainable practices in the Andalusian tourism sector.



# Measurement



## Target

Measure and monitor carbon emissions derived from the organization of events.



## Action

3

**Implement the protocol for the organization of sustainable events developed by the Regional Ministry of Environment and Sustainability and measure the carbon footprint of events derived from the activities of the Public Company for Tourism and Sports of Andalusia.**



### Description of the action

This action seeks to implement the protocol for the organization of sustainable events developed by the Department of the Environment and Sustainability to reduce the environmental impact of events. Monitoring is intended to be carried out through the verification of the implementation of the protocol - indicating whether or not it is in operation - and the calculation of the percentage of events that apply it effectively.

Also, linked to the objective of measuring the Carbon Footprint, together with the implementation of the protocol for the organization of sustainable events, the carbon footprint of these events will be measured using the tool developed by the Department of the Environment and Sustainability.

# Measurement



## Target

Strengthen the measurement and monitoring of sustainability indicators to inform climate action and strategic decisions in tourism.



## Action

4

**Compilation and continuous monitoring of tourism sustainability indicators in Andalusia.**



### Description of the action

The aim is to strengthen the measurement and monitoring of indicators that reflect the state of nature, social disruption and the economic situation in Andalusian tourist destinations (e.g., pollution levels, impacts of excessive tourism or risks to biodiversity).

This action will be based on the systematic collection of data linked to the META 21-27 Plan, which already integrates general aspects of tourism sustainability, as well as on the continuity of the work developed within the framework of the Tourism Support Instrument (TSI) Spain project, led by Andalusia. Priority will be given to the continuous updating of indicators and their analysis to support decision-making, improve the evaluation of the impacts of current tourism practices and guide future climate action.



# Measurement



## Target

Promote the registration of the footprint of tourism companies and entities in the Andalusian Emissions Offsetting System (SACE) developed and managed by the Regional Ministry of Environment and Sustainability.



## Action

5

**Promote the registration of the carbon footprint of tourism companies and organizations in the Andalusian Emissions Compensation System (SACE).**



### Description of the action

The aim is to promote the registration of the footprint of tourism companies, organizations and administrations in the Andalusian Emissions Offsetting System (SACE), facilitating their involvement in the measurement and offsetting of greenhouse gas emissions.

To this end, the dissemination of information on the operation of the system, guidance and technical assistance for the process of registering the footprint is contemplated. It also seeks to raise awareness in the tourism sector and other strategic sectors about the importance of measuring, reducing and offsetting their impact, in line with the objectives of climate change mitigation in Andalusia.

# Decarbonization

The following are the actions of the commitment to decarbonization, which, following the Glasgow guidelines, include the following:

"Set and targets aligned with climate science to accelerate the decarbonization of tourism. This includes transport, infrastructure, accommodation, activities, food and beverage, and waste management. While offsetting can have a subsidiary role, it should be complementary to actual reductions." - One Planet, 2021





# Decarbonization



## Target

Promote energy efficiency and reduce GHG emissions in the facilities of the Public Company for Tourism and Sports of Andalusia.



## Action



1

**To reduce greenhouse gas (GHG) emissions at the facilities of the Public Company for Tourism and Sports of Andalusia.**



### Description of the action

The aim is to reduce greenhouse gas (GHG) emissions in the Andalusian Public Company for Tourism and Sport's own facilities by adopting measures to minimize the use of these gases in buildings and facilities.

This includes improving equipment maintenance to prevent leaks, the progressive replacement of technologies with high emission levels with more sustainable alternatives, and the implementation of control and monitoring practices to ensure the efficient management of these compounds.

With this action, the SOE seeks to reduce its carbon footprint, move towards decarbonization and serve as a benchmark in the adoption of sustainable practices.

# Decarbonization



## Target

Promote the reduction of GHG emissions in the Andalusian tourism sector through the adoption of more sustainable and efficient practices.



## Action



2

**Reduce greenhouse gas (GHG) emissions in the tourism sector.**



### Description of the action

The purpose of this initiative is to promote a transformation in the tourism sector aimed at minimizing its carbon footprint, encouraging concrete actions that contribute to the reduction of greenhouse gases (GHG).

To this end, the aim is to work on training personnel and raising awareness of tourism companies regarding the environmental impact associated with their activities.

The purpose of these actions is to encourage the sector to actively participate in global efforts to combat climate change, facilitating its alignment with decarbonization and long-term sustainability strategies.



# Decarbonization



## Target

Optimize energy consumption and improve energy efficiency in the facilities of the Public Company for Tourism and Sports of Andalusia, reducing its environmental impact.



## Action



3

**Improve energy savings and efficiency in the facilities of the Public Company for Tourism and Sports of Andalusia.**



## Description of the action

This action seeks to encourage the improvement of energy savings and efficiency in the buildings for tourist use of the Andalusian Tourism and Sports Company, promoting the implementation and adoption of sustainable technologies. The aim is to monitor the number of projects implemented and the estimated percentage reduction in electricity consumption with respect to the base year, in order to move towards a more responsible and resilient tourism model from the public administration.

# Decarbonization



## Target

Encourage the improvement of energy savings and efficiency in buildings used for tourism, promoting the adoption of more sustainable technologies and practices in the sector.



## Action



4

### **Improve energy savings and efficiency in tourism purposed buildings.**



#### **Description of the action**

The aim is to improve energy efficiency in tourist buildings, encouraging the implementation of advanced technologies and best practices to optimize energy consumption.

To this end, the dissemination of information and advice on energy efficiency measures will be promoted, as well as access to aid and financing programs for the modernization of infrastructures. In addition, the measurement and monitoring of the reduction of energy consumption in the sector will be promoted through key indicators, such as the number of projects implemented and investment in sustainable technologies.

This action seeks to move towards a more efficient and competitive tourism model, reducing energy dependence and contributing to climate change mitigation objectives.



# Decarbonization



## Target

Promote and strengthen the development of policies and actions for decarbonization and resilience to climate change.



## Action



5

**Apply the principles of circular economy to the design of buildings in the tourism sector.**



### Description of the action

This action seeks to promote the application of circular economy principles in the design and management of buildings for tourism use. This includes monitoring the percentage of buildings in which these principles have been applied, as well as awareness-raising actions aimed at professionals and key players in the sector on the importance of integrating the circular economy into their activity.

In addition, the aim is to promote the development of projects that use life cycle analysis to select sustainable materials and optimize the design of infrastructures, thus guaranteeing a reduction of the environmental impact throughout their existence.

# Decarbonization



## Target

The application of the principles of the circular economy in the tourism sector



## Action



6

**Promote the application of circular economy principles to the management of restaurants and hotel facilities.**



### Description of the action

The aim is to promote the adoption of practices based on the circular economy in the management of restaurants and hotel facilities, in order to reduce the waste of resources and minimize the environmental impact of the sector.

To this end, awareness is raised regarding the implementation of measures such as waste reduction and recovery, optimization of water and energy consumption, promotion of the use of local and sustainable products, and the reuse of materials in operating processes.

It also seeks to promote staff training, as well as collaboration among sector actors to facilitate the adoption of best practices and circular business models.



# Regeneration

The following are the actions of the regeneration commitment, which, following the Glasgow guidelines, include the following:

"Restore and protect ecosystems, supporting nature's capacity to absorb carbon and safeguarding biodiversity, food security and water supply. As much tourism is concentrated in regions most immediately vulnerable to the effects of climate change, ensure that the sector can support affected and at-risk communities in building resilience, adaptation and disaster response. Help visiting people and host communities experience greater balance with nature." - One Planet, 2021

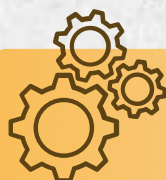


# Regeneration



## Target

Incorporate climate change adaptation criteria in the strategic planning of tourism in Andalusia.



## Action



1

### **Integrate adaptation into strategic tourism planning.**



### **Description of the action**

The aim of this action is to incorporate climate change adaptation into the strategic planning of tourism in Andalusia, promoting an approach that reduces the vulnerability of the sector and increases its resilience to climate impacts.

To this end, adaptation criteria will be included in future tourism plans and strategies, taking into account factors such as water management, ecosystem protection, diversification of supply, and reduction of exposure to climate risks. It also seeks to promote collaboration between public and private actors for the development of sustainable practices that guarantee the long-term viability of tourism activity in the region.



# Regeneration



## Target

To favor the adaptation of tourism resources to the effects of climate change, promoting measures that reduce their vulnerability and ensure their conservation and sustainable use in the long term.



## Action



2

**Adapt tourism attractions/resources to the effects of climate change.**



### Description of the action

This action seeks to strengthen the adaptation of tourism resources to climate change, promoting their protection against extreme phenomena and sustainably managing their activity. To this end, it contemplates the implementation of strategies that minimize the impact of phenomena on the resources, guaranteeing their sustainable use.

The actions are intended to influence the diversification of the tourist offer, the improvement in the management of natural and cultural resources, and the promotion of nature-based solutions. In this sense, the implementation of **climatic islands** will be promoted as a measure to mitigate the effects of extreme heat and promote the comfort of visitors and residents, while protecting the heritage value of these resources.

In addition, it seeks to promote awareness and collaboration in the sector to integrate adaptation into the management of tourism destinations and resources, thus promoting a more resilient and environmentally conscious tourism.

# Regeneration



## Target

Promoting the sustainability of the tourism offer in the natural parks of Andalusia.



## Action

3

**Promotion of sustainable tourism products and services in the natural parks of Andalusia.**



### Description of the action

The aim is to promote sustainable tourism products and services in the natural parks of Andalusia, enhancing the value of the natural, cultural and traditional resources of these areas.

The action will promote initiatives that give visibility to experiences that are developed in an environmentally friendly manner, encouraging the creation and dissemination of tourism experiences based on the conservation of biodiversity, the responsible use of natural resources and the contribution to local development.



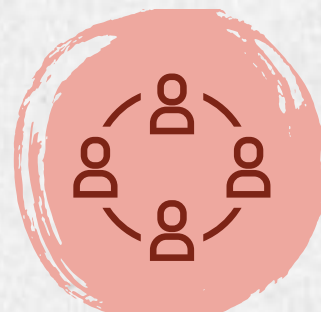
# Collaboration

The following are the actions of the regeneration commitment, which, following the Glasgow guidelines, include the following:

"Share evidence of risks and solutions with all stakeholders and work together and together to ensure that our plans are as effective and coordinated as possible. Strengthen governance and capacity for action at all levels, including national and sub-national authorities, civil society, large companies and SMEs, vulnerable groups, local communities and visiting individuals.- One Planet, 2021

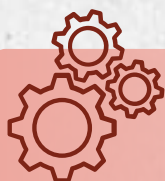


# Collaboration



## Target

Raise awareness of the importance of integrating measures for the adaptation and reduction of GHG emissions and the improvement of energy efficiency in urban and land use plans, contributing to a more sustainable tourism development aligned with climate objectives.



## Action



1

**Raise awareness of the importance of including considerations for the adaptation and mitigation of GHG emissions and the improvement of energy efficiency in urban and land use plans.**



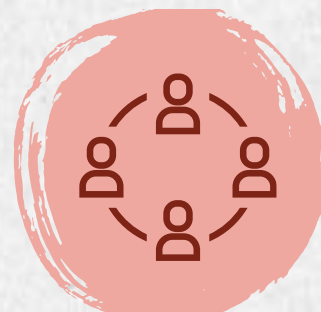
## Description of the action

The aim is to raise awareness of the integration of considerations for the adaptation and mitigation of GHG emissions and the improvement of energy efficiency in urban and land use plans, with the objective of reducing the environmental impact of tourism development in Andalusia.

To this end, collaboration and awareness-raising actions are envisaged for the inclusion of measures to promote sustainable mobility, the optimization of energy consumption in tourist infrastructures and the promotion of buildings with energy efficiency and low emissions criteria. It also seeks to encourage the planning of spaces that favor adaptation to climate change, including the regeneration of natural environments and the reduction of the carbon footprint in the tourism sector.



# Collaboration



## Target

To increase awareness and knowledge about climate change in tourism in Andalusia, promoting the modification of habits in Andalusian society when traveling in the territory towards more sustainable practices.



## Action



2

**To raise awareness and improve knowledge about climate change in Andalusia and the adoption of new habits in Andalusian society when traveling in the region.**

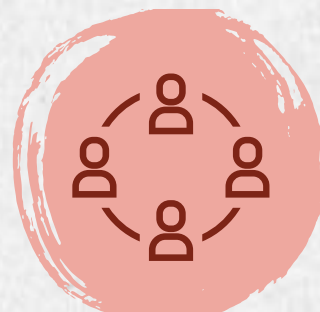


## Description of the action

This action seeks to strengthen awareness of sustainability through campaigns aimed at promoting responsible habits in the internal travel of Andalusian society. The aim is to develop communication actions aimed at raising awareness among Andalusian citizens about the effects of climate change and the importance of adopting more sustainable habits.

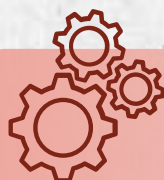
It also seeks to involve different actors, such as public administrations, companies and local communities, in the promotion of good environmental practices that allow society to actively contribute to mitigating and adapting to climate change.

# Collaboration



## Target

To develop training aimed at the tourism ecosystem on the importance of climate action, promoting responsible practices aimed at minimizing the environmental impact of tourism in Andalusia.



## Action

3

**Develop a training plan with the epicenter on climate action.**



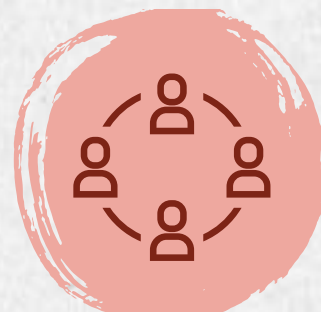
## Description of the action

With the implementation of this action, we intend to develop a training and awareness plan that includes the following topics, aligned with the actions of the Glasgow commitment and pathways:

- Calculation of the carbon footprint of the different organizations and the establishment of measures for its reduction - MEDIR
- Promoting the integration of adaptation in the strategic planning of tourism companies in Andalusia - REGENERAR
- Application of circular economy principles to the management of restaurants and hotel facilities. - COLLABORATE
- Raising awareness of the impacts of climate change on the private tourism sector and tourism inflow - COLLABORATE
- Customized mentoring for companies in the tourism sector to work on decarbonization actions and develop climate change adaptation plans - DECARBONIZE



# Collaboration



## Target

Encourage the obtainment of tourism sustainability certifications recognized at European and national level, such as ECOLABEL, EMAS or the S for Sustainability, promoting continuous improvement, transparency and alignment with quality standards and environmental management in the tourism sector.



## Action

4

**Promote the achievement of tourism sustainability certifications recognized at European level, such as ECOLABEL or EMAS, as well as other equivalent certifications that meet quality, transparency and environmental improvement criteria, such as the S for Sustainability.**

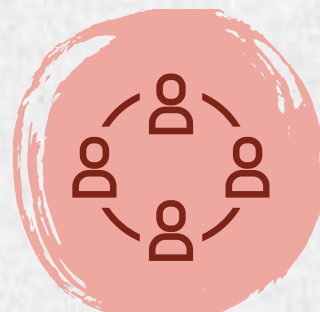


### Description of the action

The action aims to encourage the adoption of tourism sustainability certifications by Andalusian companies and destinations, promoting a culture of continuous improvement in environmental management and social responsibility. Priority will be given to recognized certifications such as ECOLABEL and EMAS, as well as others that meet demanding criteria of sustainability, quality and transparency, such as the S for Sustainability.

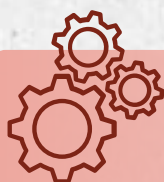
To this end, actions will be carried out to raise awareness of the benefits of these certifications, disseminate their requirements, provide technical support to facilitate their implementation and promote incentives to encourage their achievement, especially among SMEs and tourist destinations committed to sustainability.

# Collaboration



## Target

Transform the current tourism management model in Andalusia, promoting more sustainable and resilient alternatives that reduce the vulnerability of the sector to the impacts of climate change.



## Action



5

**To increase the resilience of the Andalusian tourism sector by transforming the current tourism management model towards others that are more sustainable and better adapted to the impacts of climate change.**



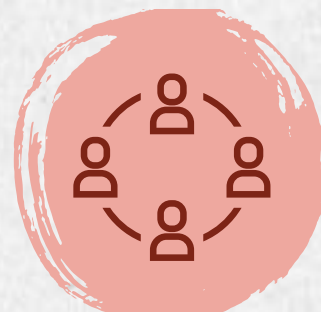
### Description of the action

This action seeks to support tourism destinations in the transition to more sustainable and resilient models in the face of climate change by promoting strategies that allow better adaptation to the effects of climate change.

To this end, it seeks to boost efficiency in the use of resources, promote deseasonalization and strengthen the integration of sustainability criteria in tourism planning and management. It also proposes to achieve this through collaboration to facilitate the transition to more balanced, responsible tourism models that are prepared to face future climate challenges.

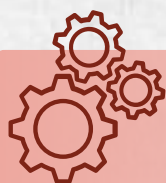


# Collaboration



## Target

Improve knowledge on the impacts of climate change on tourism management, facilitating informed decision making in both the public and private spheres.



## Action



6

**Expand and update knowledge on the impacts of climate change on public and private tourism management.**

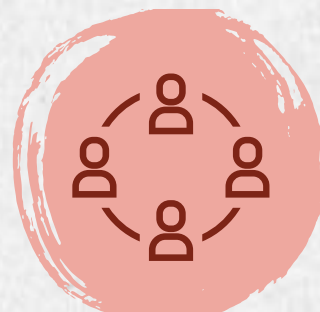


### Description of the action

This action seeks to expand and update knowledge on the effects of climate change on the tourism sector, providing relevant information that will help to learn how to contribute to the fight to mitigate its impacts and strengthen the capacity to adapt.

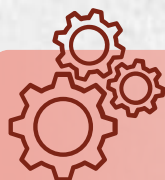
To this end, training and knowledge exchange between public administrations, tourism companies and other key stakeholders will be promoted in order to integrate adaptation and mitigation criteria into their strategies and operations.

# Collaboration



## Target

Promote transparency and sustainability in management and contracting by incorporating non-financial information criteria.



## Action



7

**Incorporate non-financial information (NFI) criteria in management and contracting.**



### Description of the action

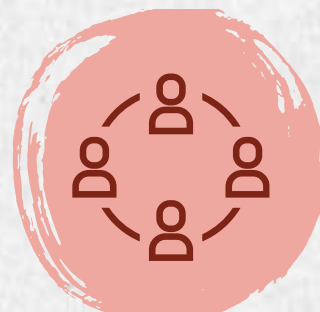
The aim is to reinforce the commitment to sustainability, social responsibility and transparency, ensuring the integration of non-financial information in management and contracting processes.

This includes measuring data on key aspects such as environmental impact, energy efficiency, waste management, diversity and inclusion.

It also seeks to promote the contracting of companies that comply with similar standards, incorporating the importance of the EINF in public contracting specifications. This will make it possible to foster a network of suppliers aligned with the principles of sustainability and corporate responsibility, promoting a more balanced tourism development model committed to climate and social objectives.

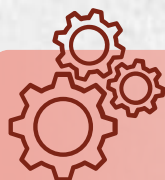


# Collaboration



## Target

Promote the reduction of water consumption in tourism companies through the implementation of water efficiency measures and the responsible use of resources.



## Action



8

**Raise awareness on the reduction of water consumption by tourism companies.**

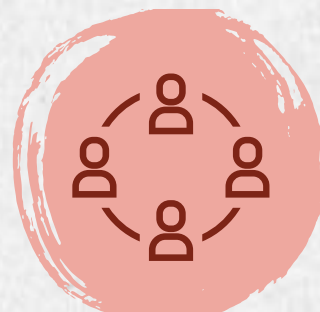


## Description of the action

The aim is to promote the reduction of water consumption in tourism companies through the adoption of efficient technologies and awareness of the sector on the sustainable management of water resources.

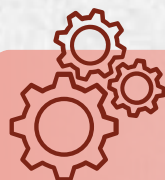
This action seeks to reduce pressure on water resources, improve the sustainability of the sector and contribute to the adaptation of tourism to a context of greater water stress due to climate change.

# Collaboration



## Target

Raise awareness of the reduction of fluorinated gas emissions in the Andalusian tourism sector through the adoption of more sustainable and efficient practices.



## Action



9

**Raise awareness on the reduction of fluorinated gas emissions in the tourism sector.**



### Description of the action

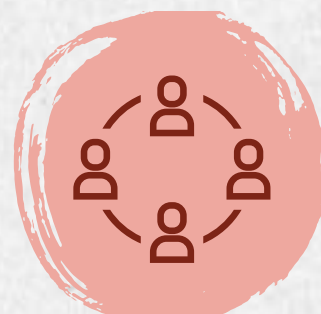
The aim is to raise awareness of the adoption of measures to reduce emissions of fluorinated gases in the tourism sector, with special attention to refrigeration and air conditioning systems and other equipment containing them.

To this end, we will promote training and awareness in the sector on the environmental impact of these gases and the importance of their reduction. In addition, we will promote the implementation of good practices in equipment maintenance, the progressive substitution of technologies with high global warming potential for more efficient alternatives and the adoption of control standards that allow a more sustainable management of these compounds.

This action seeks to involve companies and professionals in the tourism sector in the transition towards more sustainable models, aligned with the objectives of decarbonization and climate change mitigation.



# Collaboration



## Target

Raise awareness of the need to improve energy savings and efficiency in buildings used for tourism, promoting the adoption of more sustainable technologies and practices in the sector.



## Action



10

**Raise awareness of energy savings and efficiency in buildings used for tourism purposes.**



### Description of the action

The aim is to raise awareness of the importance of energy efficiency in tourist buildings, encouraging the implementation of advanced technologies and good practices that optimize energy consumption.

To this end, the dissemination of information and advice on energy efficiency measures will be promoted.

This action seeks to move towards a more efficient and competitive tourism model, reducing energy dependence and contributing to climate change mitigation objectives.

# Financing

The following are the actions of the commitment to decarbonization, which, following the Glasgow guidelines, include the following:

"Ensure that the organization's resources and capacity are sufficient to meet the targets set out in the climate plans, including funding for training, research and the implementation of effective fiscal and policy tools where appropriate to accelerate the transition." - One Planet, 2021





# Financing



## Target

Incorporate sustainability criteria in the granting of subsidies, providing incentives to reduce the environmental impact of the sector.



## Action



1

**Inclusion of the evaluation of measures to reduce environmental impact in the regulatory bases for the granting of subsidies, on a competitive basis, aimed at the promotion of tourism services and the creation of new products.**



### Description of the action

It is intended to include in the regulatory bases for subsidies, granted on a competitive basis, the evaluation of measures aimed at reducing the environmental impact of tourism services and products.

To this end, specific criteria will be incorporated to favor initiatives that minimize the ecological footprint, promote efficiency in the use of resources and contribute to the transition towards more sustainable tourism. It also seeks to raise beneficiaries' awareness of the importance of integrating sustainability into their projects and to ensure that public funds promote tourism development models aligned with climate and environmental objectives.

# Financing



## Target

Incorporate mitigation and adaptation criteria in public procurement processes.



## Action



2

**Introduce mitigation and adaptation criteria in public procurement and promote innovative public procurement as a vehicle for energy innovation.**



## Description of the action

This action seeks to promote sustainability in public management through the incorporation of mitigation and adaptation criteria in public contracts. In addition, it seeks to promote innovative public procurement as a vehicle for the promotion of advanced technological solutions that contribute to the reduction of energy consumption and the improvement of energy efficiency in the tourism sector.



# Financing



## Target

Promoting the reduction of fluorinated gas emissions in the Andalusian tourism sector through the implementation and adoption of more sustainable and efficient practices.



## Action



3

**Promote the reduction of fluorinated gas emissions in the tourism sector.**



### Description of the action

The purpose of this action is to promote the adoption of measures to reduce emissions of fluorinated gases in the tourism sector, with special attention to refrigeration and air conditioning systems and other equipment containing these gases.

To this end, we will promote the implementation of solutions in equipment maintenance, the progressive substitution of technologies with high global warming potential for more efficient alternatives and the adoption of control standards that allow a more sustainable management of these compounds.

This action seeks to involve companies and professionals in the tourism sector in the transition towards more sustainable models, aligned with the objectives of decarbonization and climate change mitigation.

# Financing



## Target

Encouraging the improvement of energy savings and efficiency in buildings used for tourism, promoting the adoption of more sustainable technologies and practices in the sector.



## Action



4

**Promote energy savings and efficiency in buildings used for tourism purposes.**



### Description of the action

The aim is to promote energy efficiency in tourist buildings, encouraging the implementation of advanced technologies and good practices that optimize energy consumption.

To this end, access to aid and financing programs for infrastructure modernization will be promoted.

This action seeks to move towards a more efficient and competitive tourism model, reducing energy dependence and contributing to climate change mitigation objectives.



# Financing



## Target

Promotion of regeneration and resilience actions in the face of climate change.



## Action



5

**Promote the application of circular economy principles to the design of buildings in the tourism sector.**



### Description of the action

This action seeks to finance the application of circular economy principles in the design and management of buildings intended for tourist use.

The aim is to promote the development of projects that use life cycle analysis to select sustainable materials and optimize the design of infrastructures, thus guaranteeing a reduction of the environmental impact throughout their existence.

# Financing



## Target

Promoting the reduction of water consumption in tourism companies through the implementation of water efficiency measures and the responsible use of resources.



## Action



6

**Encourage tourism companies to reduce water consumption.**



### Description of the action

The aim is to promote the reduction of water consumption in tourism companies through financing for the adoption of efficient technologies and raising the sector's awareness of the sustainable management of water resources.

This action seeks to reduce pressure on water resources, improve the sustainability of the sector and contribute to the adaptation of tourism to a context of greater water stress due to climate change.



Andalucía

